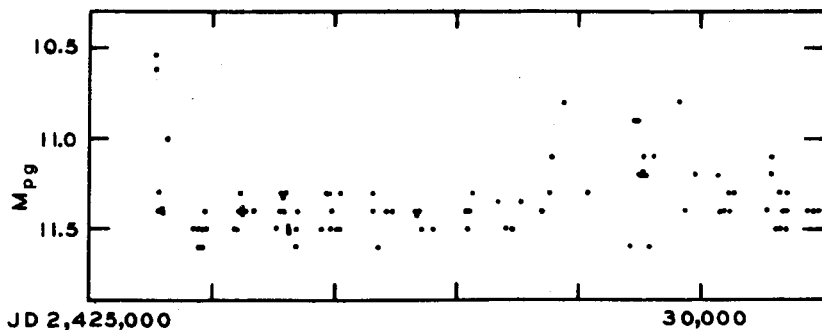


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RT CETI



The variable star RT Ceti was discovered by Emily M. Hughes in 1930 (HB, No. 877, 1930), and was described as of short period. Apparently, no other study of this star has been made.

During another investigation, the writer made about 700 observations of RT Ceti. A portion of these (principally from plates taken with Harvard's 3-inch patrol cameras) is shown in the accompanying light curve. It appears that the star has relatively long intervals of small fluctuations (~ 0.3 magnitude), while at other times its variation is > 0.5 magnitude. One change of 0.9 magnitude occurred in 30 days. The photographic range of RT Ceti was found to be 10.6-11.7.

One well-exposed objective-prism spectrum (a 60-minute exposure in 1906 with the 24-inch Bruce doublet, then at Arequipa, Peru) was found and classified as M6.

It is concluded that RT Ceti is a late-type irregular variable.

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